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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 14, No. 43

WEEKLY REPORT

Week Ending October 30, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

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AN OUTBREAK OF GASTROENTERITIS
Clearwater, Washington

A logging camp on the Olympic peninsula was the site of an outbreak of gastroenteritis in August, September, and early October of this year due to heavy contamination of the water supply by sewage effluent. The illness was mild in most cases and was characterized by abrupt onset, watery non-bloody diarrhea, low grade fever, nausea and abdominal cramps. Its duration ranged from 1 to 4 days; repeated attacks were frequent although the first illness tended to be the most severe. New employees became ill with regularity, usually within 48 hours of arrival.

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An average of 130 loggers are employed by the camp. Seventy-five of these men live in the camp bunk house and take their meals in the camp mess hall. The remaining loggers live at home and have little contact with the bunk house residents. They seldom eat in the mess hall, but regularly drink the camp water which is hauled to the work sites in the forest.

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	43rd WEEK ENDED		MEDIAN 1960–1964	CUMULATIVE, FIRST 43 WEEKS		
	OCTOBER 30, 1965	OCTOBER 24, 1964		1965	1964	MEDIAN 1960–1964
Aseptic meningitis	42	67	67	1,751	1,760	2,161
Brucellosis	4	5	6	206	341	343
Diphtheria	2	10	18	123	223	366
Encephalitis, primary infectious	59	104	- - -	1,584	2,789	- - -
Encephalitis, post-infectious	7	8	- - -	581	720	- - -
Hepatitis, infectious including serum hepatitis	573	682	863	27,992	31,765	35,912
Measles	1,041	1,061	1,504	244,813	466,472	402,004
Meningococcal infections	40	46	46	2,541	2,297	1,828
Poliomyelitis, Total	2	4	22	48	98	724
Paralytic	—	1	20	35	78	574
Nonparalytic	2	—	- - -	9	10	- - -
Unspecified	—	3	- - -	4	10	- - -
Streptococcal Sore Throat and Scarlet fever	5,613	6,041	5,019	322,547	326,640	263,660
Tetanus	7	7	- - -	221	237	- - -
Tularemia	9	7	- - -	217	282	- - -
Typhoid fever	14	5	10	366	356	520
Rabies in Animals	64	57	45	3,629	3,771	3,121

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	7	Rabies in Man:	1
Botulism:	13	Smallpox:	—
Leptospirosis: Tenn.-1	43	Trichinosis: Calif.-1	97
Malaria:	68	Typhus—	
Plague:	6	Murine:	22
Psittacosis: Va.-1	37	Rky. Mt. Spotted: Ga.-1, Calif.-1	246
Cholera:	2		

AN OUTBREAK OF GASTROENTERITIS
Clearwater, Washington

(Continued from front page)

In a survey of the incidence of gastroenteritis, interviews were held with bunk house residents, loggers who lived at home, family members of loggers who lived at home, and people living in the Clearwater area who had no relation to the logging camp. Eighty-eight percent of the loggers were interviewed and the following data obtained:

	Number Interviewed	Number Ill	Percent Ill
Bunk house employees	68	61	89.7
Employees living at home	48	40	83.3
Family members of employees	120	33	27.5
Unrelated persons	129	18	13.9

An extremely dry summer in the Pacific Northwest, where the total rainfall during June, July and August was 4.29 inches, depleted the stream which is the camp's usual source of water. On several occasions during the summer, water from a nearby river was pumped into the camp water tank, chlorinated and used. The epidemiological investigations revealed that the employees had been complaining of poor tasting water on these occasions. Further, it was found that septic tank effluent from the camp was discharged into this river at three sites, one of which was above the intake pipe through which the supplemental water supply was obtained. The chlorination process used was also found to be inadequate, as coliform counts of samples of tap water collected in camp yielded values as high as 43 MPN.

Examination of stool specimens from patients who were ill resulted in positive cultures of a specific serotype of enteropathogenic *Escherichia coli* 0126:B16. This organism is documented as a cause of infantile diarrhea[1], but has never been implicated as a pathogen in adults.

The etiology of gastroenteritis associated with ingestion of water heavily contaminated with sewage or "sewage poisoning" is obscure. As certain serotypes of enteropathogenic *E. coli* have produced gastrointestinal illness in adult volunteers[2], the hypothesis that this outbreak might have been caused by this organism was tested in a rectal swab survey. In all, 233 specimens were collected from loggers, their families, and unrelated persons in the area. Complete laboratory data are not available as yet, but preliminary results do not support this hypothesis, as enteropathogenic *E. coli* serotype 0126:B16 is being recovered from all groups with about the same frequency. No other pathogens have been found, but attemps to isolate virus are in progress.

(Reported by Dr. Ernest A. Ager, Chief, Division of Epidemiology, Washington State Department of Health; Dr. Phillip H. Jones, Medical Epidemiologist, Washington State Department of Health; and two EIS Officers.)

[1] Boris, M., *et al*: Pediat 33:18–19, 1964
[2] June, R.C., *et al*: Amer J Hyg 57:222–236, 1953

INFLUENZA – CURRENT TRENDS

Since publication of the influenza statement prepared by the Public Health Service Advisory Committee on Immunization Practices in June 1965 (MMWR, Vol. 14, No. 24), there have been no outbreaks of influenza documented in the continental United States, and only two reports have been noted from other parts of the world. A moderate outbreak of type B influenza began in Australia in April 1965, and type A2 disease appeared in early May in portions of the Republic of the Philippines.

In Australia, mild epidemics of influenza type B were reported in the States of Queensland, Victoria, and New South Wales during the Australian winter of 1965. The first case, which was reported in Geelong, Victoria, in April 1965, yielded an isolate of type B influenza virus. The same type was recovered from cases in Queensland, Victoria, and New South Wales. Clinically, the illness was characterized by acute onset, fever ranging from 100° to 104°F, headache, myalgia, and sore throat. Nausea and vomiting were reportedly common during the first 2 days of illness and general weakness was prominent. An outstanding feature was a severe inflamation of the pharynx giving a red velvety appearance. Unlike the A2 influenza epidemic in 1964, the development of cough was unusual. Influenza B viruses were isolated from respiratory tract specimens taken post-mortem from cases of sudden deaths in older groups, both in Victoria and Queensland. Several fatal pneumonias in older children and younger adults also yielded type B influenza virus. Although mortality figures for the various states were incomplete, the available data do not indicate a marked excess mortality.

The epidemic in the Philippines was initially noted in the Manila area, beginning in mid May, and was brought to light primarily through an increased number of admissions to the San Lazaro Infectious Disease Hospital. Subsequent reports from other parts of the Philippines

(Continued on back page)

Table 1
REPORTED CASES OF POST-INFECTIOUS AND POST-IMMUNIZATION ENCEPHALITIS
EIGHT WEEK PERIOD ENDING OCTOBER 9, 1965

State	Mumps	Chicken-pox	Measles	Rubella	Herpes Simplex	Pertussis	Influenza	Mono-nucleosis	Respiratory Syncitial	*E. coli*	Pneumonia	Post-immunization Rabies	Post-immunization Vaccinia
California	20		2										
Connecticut		1	1										
Florida	13		3		1		1						
Illinois	5										1		
Louisiana					1								
Michigan	1	1											
Minnesota	5				2								
New York, Upstate	1		1										
Pennsylvania			1										
Rhode Island	1												
Tennessee		1	2										
Texas	2												
Washington	1												
U.S. Total	49	3	10	–	4	–	1	–	–	–	1	–	–
U.S. Cumulative Totals (weeks 1-40):													
1965*	363	72	96	12	12	–	4	2	–	1	1	–	4
1964**	416	58	174	33	10	1	9	–	1	–	–	–	1

*Includes revised and delayed reports
**Corresponding period in 1964

(States not reporting a case not listed.)

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

SEPTEMBER 1965 AND SEPTEMBER 1964

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas September 1964 and September 1965 - Provisional Data

Reporting Area	September		Cumulative Jan. - Sept.		Reporting Area	September		Cumulative Jan. - Sept.	
	1965	1964	1965	1964		1965	1964	1965	1964
NEW ENGLAND	41	45	354	366	EAST SOUTH CENTRAL	232	166	2,131	1,349
Maine	-	-	1	5	Kentucky	16	11	109	116
New Hampshire	-	1	23	8	Tennessee	31	41	412	334
Vermont	-	-	2	3	Alabama	116	77	1,136	670
Massachusetts	24	27	209	214	Mississippi	69	37	474	229
Rhode Island	4	1	18	13					
Connecticut	13	16	101	123	WEST SOUTH CENTRAL	197	214	1,796	1,955
					Arkansas	10	10	173	147
MIDDLE ATLANTIC	407	432	3,589	4,101	Louisiana	59	67	526	539
Upstate New York	46	53	408	498	Oklahoma	4	11	89	113
New York City	220	233	2,088	2,356	Texas	124	126	1,008	1,156
Pa. (Excl. Phila.)	36	20	144	130					
Philadelphia	37	22	224	246	MOUNTAIN	53	42	431	409
New Jersey	68	104	725	871	Montana	2	2	11	28
					Idaho	2	1	7	4
EAST NORTH CENTRAL	253	225	2,258	1,719	Wyoming	5	1	7	8
Ohio	54	43	472	397	Colorado	13	4	38	24
Indiana	5	6	41	47	New Mexico	11	8	86	149
Downstate Illinois	16	20	170	114	Arizona	13	22	221	163
Chicago	103	82	916	668	Utah	2	2	12	10
Michigan	70	59	598	446	Nevada	5	2	49	23
Wisconsin	5	15	61	47					
					PACIFIC	163	190	1,527	1,671
WEST NORTH CENTRAL	51	48	396	395	Washington	2	11	52	61
Minnesota	7	14	69	98	Oregon	1	9	27	55
Iowa	8	5	28	24	California	150	168	1,418	1,533
Missouri	19	18	174	175	Alaska	1	-	6	8
North Dakota	1	-	2	-	Hawaii	9	2	24	14
South Dakota	2	4	34	37					
Nebraska	9	3	70	39	U. S. TOTAL	1,194	1,900	17,516	17,212
Kansas	5	4	19	22					
					TERRITORIES	86	78	636	651
SOUTH ATLANTIC	517	538	5,034	5,247	Puerto Rico	84	78	621	631
Delaware	-	9	44	69	Virgin Islands	2	-	15	20
Maryland	37	45	331	396					
District of Columbia	38	60	369	574					
Virginia	28	16	259	214					
West Virginia	9	12	57	37					
North Carolina	79	92	777	857					
South Carolina	64	72	632	671					
Georgia	109	83	828	879					
Florida	153	149	1,737	1,550					

Note: Cumulative Totals include revised and delayed reports through previous months.

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 30, 1965 AND OCTOBER 24, 1964 (43rd WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				
						Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	42	67	59	7	2	48	98	-	35	78	2	123
NEW ENGLAND.....	-	-	1	1	-	-	2	-	-	2	-	2
Maine.....	-	-	-	-	-	-	1	-	-	1	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	2
Rhode Island.....	-	-	1	1	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	1	-	-	1	-	-
MIDDLE ATLANTIC.....	11	9	15	-	-	4	15	-	3	13	-	5
New York City.....	2	1	4	-	-	1	2	-	-	2	-	3
New York, Up-State.	7	3	3	-	-	-	10	-	-	9	-	-
New Jersey.....	1	4	8	-	-	3	3	-	3	2	-	-
Pennsylvania.....	1	1	-	-	-	-	-	-	-	-	-	2
EAST NORTH CENTRAL...	12	11	7	1	-	2	21	-	2	15	-	6
Ohio.....	3	4	4	-	-	-	2	-	-	2	-	1
Indiana.....	-	-	1	-	-	-	8	-	-	5	-	2
Illinois.....	4	5	2	1	-	1	6	-	1	5	-	2
Michigan.....	4	1	-	-	-	1	3	-	1	2	-	-
Wisconsin.....	1	1	-	-	-	-	2	-	-	1	-	1
WEST NORTH CENTRAL...	5	3	14	-	-	11	9	-	7	7	-	19
Minnesota.....	5	2	2	-	-	1	3	-	1	2	-	7
Iowa.....	-	1	2	-	-	5	-	-	2	-	-	1
Missouri.....	-	-	3	-	-	1	4	-	-	3	-	1
North Dakota.....	-	-	-	-	-	-	1	-	-	1	-	-
South Dakota.....	-	-	1	-	-	-	-	-	-	-	-	7
Nebraska.....	-	-	5	-	-	3	-	-	3	-	-	2
Kansas.....	-	-	1	-	-	1	1	-	1	1	-	1
SOUTH ATLANTIC.....	6	3	5	1	-	1	26	-	1	21	-	32
Delaware.....	5	-	1	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	1	1	-	1	1	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	2	1	-	-	-	4	-	-	4	-	-
West Virginia.....	-	-	-	-	-	-	1	-	-	1	-	-
North Carolina.....	-	-	-	-	-	-	10	-	-	6	-	4
South Carolina.....	-	-	-	-	-	-	1	-	-	1	-	1
Georgia.....	-	-	3	-	-	-	1	-	-	1	-	15
Florida.....	1	1	-	1	-	-	8	-	-	7	-	9
EAST SOUTH CENTRAL...	2	1	2	1	1	2	6	-	1	5	1	19
Kentucky.....	2	-	2	-	1	1	-	-	-	-	-	-
Tennessee.....	-	1	-	1	-	1	3	-	1	2	1	2
Alabama.....	-	-	-	-	-	-	2	-	-	2	-	15
Mississippi.....	-	-	-	-	-	-	1	-	-	1	-	2
WEST SOUTH CENTRAL...	2	3	-	1	1	17	9	-	14	8	1	31
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	2
Louisiana.....	-	-	-	-	1	2	-	-	1	-	-	7
Oklahoma.....	-	1	-	-	-	1	3	-	1	2	1	1
Texas.....	2	2	-	1	-	14	6	-	12	6	-	21
MOUNTAIN.....	-	3	9	-	-	5	7	-	3	4	-	-
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	1	-	-	1	-	-
Wyoming.....	-	-	-	-	-	-	2	-	-	2	-	-
Colorado.....	-	2	8	-	-	-	1	-	-	1	-	-
New Mexico.....	-	-	-	-	-	1	3	-	1	-	-	-
Arizona.....	-	1	1	-	-	4	-	-	2	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	4	34	6	2	-	6	3	-	4	3	-	9
Washington.....	---	1	---	---	---	2	-	---	2	-	---	3
Oregon.....	-	-	-	-	-	1	1	-	1	1	-	1
California.....	4	32	6	2	-	3	2	-	1	2	-	5
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	1	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	-	12

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

OCTOBER 30, 1965 AND OCTOBER 24, 1964 (43rd WEEK) - Continued

Area	Brucellosis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals			Cumulative			Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	4	573	280	268	27,992	31,765	40	2,541	2,297	7	221
NEW ENGLAND.....	-	19	6	13	1,617	2,895	2	130	72	-	5
Maine.....	-	2	1	1	282	909	1	17	6	-	-
New Hampshire.....	-	1	1	-	159	226	-	7	1	-	1
Vermont.....	-	1	1	-	88	353	1	8	4	-	-
Massachusetts.....	-	7	1	6	634	645	-	46	30	-	3
Rhode Island.....	-	1	1	-	175	174	-	14	10	-	-
Connecticut.....	-	7	1	6	279	588	-	38	21	-	1
MIDDLE ATLANTIC.....	-	96	45	51	4,947	6,990	6	327	291	-	13
New York City.....	-	12	5	7	1,001	1,079	1	55	38	-	-
New York, Up-State.	-	38	22	16	1,845	3,039	2	94	84	-	5
New Jersey.....	-	14	3	11	936	1,178	1	83	96	-	1
Pennsylvania.....	-	32	15	17	1,165	1,694	2	95	73	-	7
EAST NORTH CENTRAL...	2	103	57	43	5,404	4,992	9	373	306	1	33
Ohio.....	-	28	13	14	1,503	1,302	3	100	77	1	3
Indiana.....	-	8	5	3	460	430	1	48	48	-	9
Illinois.....	2	24	13	10	1,022	928	-	100	80	-	15
Michigan.....	-	36	21	15	2,076	1,979	4	82	70	-	3
Wisconsin.....	-	7	5	1	343	353	1	43	31	-	3
WEST NORTH CENTRAL...	-	27	15	10	1,582	1,722	1	129	133	-	19
Minnesota.....	-	3	2	1	178	202	1	30	29	-	8
Iowa.....	-	6	4	2	537	278	-	12	8	-	4
Missouri.....	-	6	5	1	338	431	-	52	60	-	2
North Dakota.....	-	-	-	-	29	62	-	11	19	-	1
South Dakota.....	-	-	-	-	20	129	-	3	3	-	-
Nebraska.....	-	4	-	2	82	47	-	10	6	-	2
Kansas.....	-	8	4	4	398	573	-	11	8	-	2
SOUTH ATLANTIC.....	-	51	17	31	2,898	3,001	9	480	451	3	50
Delaware.....	-	2	2	-	76	66	1	10	6	-	-
Maryland.....	-	9	5	4	507	547	1	46	32	-	1
Dist. of Columbia..	-	-	-	-	41	61	-	9	15	-	-
Virginia.....	-	6	2	2	685	472	2	59	54	-	7
West Virginia.....	-	6	4	2	401	427	-	25	33	-	1
North Carolina.....	-	13	3	10	288	499	4	100	76	-	7
South Carolina.....	-	-	-	-	128	117	-	62	55	-	6
Georgia.....	-	4	1	3	102	94	-	58	67	3	8
Florida.....	-	11	-	10	670	718	1	111	113	-	20
EAST SOUTH CENTRAL...	-	40	23	11	1,998	2,186	2	196	178	1	29
Kentucky.....	-	19	9	4	717	781	-	76	58	-	6
Tennessee.....	-	12	10	2	672	772	2	63	56	-	10
Alabama.....	-	5	3	2	356	415	-	35	40	1	11
Mississippi.....	-	4	1	3	253	218	-	22	24	-	2
WEST SOUTH CENTRAL...	-	42	20	20	2,406	2,472	3	327	267	2	48
Arkansas.....	-	3	2	1	304	235	-	16	24	-	11
Louisiana.....	-	10	5	5	404	607	1	181	126	1	6
Oklahoma.....	-	2	-	2	52	120	-	20	11	-	1
Texas.....	-	27	13	12	1,646	1,510	2	110	106	1	30
MOUNTAIN.....	-	34	15	12	1,549	1,920	3	90	77	-	3
Montana.....	-	8	3	4	135	170	-	2	1	-	-
Idaho.....	-	1	-	-	186	273	2	11	3	-	-
Wyoming.....	-	-	-	-	40	72	-	5	5	-	-
Colorado.....	-	12	8	4	333	501	-	24	14	-	2
New Mexico.....	-	4	3	1	326	266	-	11	30	-	-
Arizona.....	-	5	-	-	329	426	1	17	7	-	1
Utah.....	-	4	1	3	191	161	-	17	7	-	-
Nevada.....	-	-	-	-	9	51	-	3	10	-	-
PACIFIC.....	2	161	82	77	5,591	5,587	5	489	522	-	21
Washington.....	---	---	---	---	418	563	---	37	40	---	-
Oregon.....	-	24	13	10	484	582	-	33	21	-	4
California.....	1	133	66	66	4,424	4,092	5	393	442	-	17
Alaska.....	-	3	3	-	199	240	-	18	7	-	-
Hawaii.....	1	1	-	1	66	110	-	8	12	-	-
Puerto Rico	-	26	16	10	1,203	874	1	11	33	3	51

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 30, 1965 AND OCTOBER 24, 1964 (43rd WEEK) - Continued

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
		Cumulative				Cum.		Cum.		Cum.
	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES...	1,041	244,813	466,472	5,613	9	217	14	366	64	3,629
NEW ENGLAND.....	37	36,969	17,509	444	-	1	-	7	-	44
Maine.....	7	2,835	3,095	53	-	-	-	-	-	4
New Hampshire.....	-	382	293	6	-	-	-	-	-	3
Vermont.....	18	1,319	2,349	41	-	-	-	-	-	31
Massachusetts.....	12	19,327	5,512	96	-	1	-	3	-	2
Rhode Island.....	-	3,943	2,010	28	-	-	-	1	-	-
Connecticut.....	-	9,163	4,250	220	-	-	-	3	-	4
MIDDLE ATLANTIC.....	165	15,327	52,469	254	-	-	1	64	8	172
New York City.....	45	2,533	15,401	3	-	-	-	29	-	-
New York, Up-State.	32	4,227	12,811	163	-	-	-	15	8	159
New Jersey.....	57	2,771	12,243	69	-	-	-	7	-	-
Pennsylvania.....	31	5,796	12,014	19	-	-	1	13	-	13
EAST NORTH CENTRAL...	301	56,882	103,492	470	1	14	-	41	4	542
Ohio.....	9	8,930	19,677	34	-	-	-	10	-	277
Indiana.....	19	2,017	22,904	107	-	5	-	9	-	65
Illinois.....	53	2,880	16,666	75	1	6	-	10	1	84
Michigan.....	50	26,745	29,090	154	-	2	-	7	2	55
Wisconsin.....	170	16,310	15,155	100	-	1	-	5	1	61
WEST NORTH CENTRAL...	88	16,802	30,379	262	2	28	2	13	12	740
Minnesota.....	8	713	336	10	-	1	-	1	2	151
Iowa.....	21	9,089	23,352	66	-	-	-	2	3	209
Missouri.....	1	2,601	1,033	43	1	20	1	8	1	105
North Dakota.....	58	3,831	4,809	122	-	-	-	-	-	45
South Dakota.....	-	115	35	10	1	3	-	-	-	56
Nebraska.....	-	453	814	4	-	-	1	2	-	36
Kansas.....	NN	NN	NN	7	-	4	-	-	6	138
SOUTH ATLANTIC.....	131	25,361	38,758	691	-	33	4	72	8	482
Delaware.....	1	507	414	18	-	-	-	4	-	-
Maryland.....	4	1,174	3,415	101	-	-	-	20	2	25
Dist. of Columbia..	2	80	355	3	-	-	-	-	-	-
Virginia.....	6	3,919	12,737	153	-	8	-	8	2	291
West Virginia.....	73	14,093	8,896	199	-	-	-	3	-	21
North Carolina.....	3	399	1,179	14	-	8	-	15	-	3
South Carolina.....	28	1,086	4,270	33	-	3	-	8	1	3
Georgia.....	1	618	199	3	-	14	3	9	2	65
Florida.....	13	3,485	7,293	167	-	-	1	5	1	74
EAST SOUTH CENTRAL...	50	14,255	68,166	1,085	-	21	-	38	10	763
Kentucky.....	14	2,728	18,588	77	-	3	-	10	2	83
Tennessee.....	27	8,053	24,470	851	-	17	-	12	8	623
Alabama.....	-	2,339	18,412	71	-	1	-	9	-	16
Mississippi.....	9	1,135	6,696	86	-	-	-	7	-	41
WEST SOUTH CENTRAL...	75	31,239	72,438	636	3	91	1	51	8	576
Arkansas.....	-	1,085	1,134	4	2	63	-	13	1	83
Louisiana.....	1	111	117	2	1	6	-	9	2	74
Oklahoma.....	1	211	1,023	29	-	11	1	7	-	126
Texas.....	73	29,832	70,164	601	-	11	-	22	5	293
MOUNTAIN.....	105	20,087	19,190	953	-	16	3	31	4	84
Montana.....	30	3,794	3,289	30	-	4	-	1	-	5
Idaho.....	14	2,846	1,970	124	-	-	-	-	-	-
Wyoming.....	-	852	266	38	-	4	-	1	-	-
Colorado.....	50	5,765	3,280	379	-	-	1	1	-	9
New Mexico.....	-	679	539	197	-	-	1	12	-	14
Arizona.....	5	1,362	6,710	67	-	-	1	13	4	53
Utah.....	6	4,583	2,144	118	-	8	-	1	-	2
Nevada.....	-	206	992	-	-	-	-	2	-	1
PACIFIC.....	89	27,891	64,071	818	3	13	3	49	10	226
Washington.....	---	7,295	20,223	---	---	-	---	4	---	7
Oregon.....	10	3,325	8,739	18	-	5	-	8	-	9
California.....	47	13,153	33,352	685	3	8	3	36	10	208
Alaska.....	-	190	1,127	17	-	-	-	-	-	2
Hawaii.....	32	3,928	630	98	-	-	-	1	-	-
Puerto Rico	42	2,573	6,730	10	-	-	1	14	-	13

Week No. 43

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED OCTOBER 30, 1965

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	749	454	45	38
Boston, Mass.	262	139	10	17
Bridgeport, Conn.	53	26	6	3
Cambridge, Mass.	27	20	-	-
Fall River, Mass.	34	22	2	1
Hartford, Conn.	52	28	4	5
Lowell, Mass.	19	11	2	1
Lynn, Mass.	29	21	1	1
New Bedford, Mass.	25	21	1	-
New Haven, Conn.	47	27	1	2
Providence, R. I.	69	48	5	5
Somerville, Mass.	9	6	-	-
Springfield, Mass.	49	36	9	2
Waterbury, Conn.	24	15	-	-
Worcester, Mass.	50	34	4	1
MIDDLE ATLANTIC:	3,204	1,884	127	145
Albany, N. Y.	43	24	-	3
Allentown, Pa.	34	22	1	-
Buffalo, N. Y.	142	89	6	3
Camden, N. J.	34	20	-	2
Elizabeth, N. J.	22	13	2	1
Erie, Pa.	43	21	1	1
Jersey City, N. J.	79	46	5	2
Newark, N. J.	110	57	4	4
New York City, N. Y.	1,637	968	69	73
Paterson, N. J.	21	12	2	2
Philadelphia, Pa.	490	287	14	25
Pittsburgh, Pa.	188	93	4	13
Reading, Pa.	42	24	5	2
Rochester, N. Y.	100	60	4	6
Schenectady, N. Y.	21	15	-	-
Scranton, Pa.	36	22	2	-
Syracuse, N. Y.	60	39	1	4
Trenton, N. J.	39	26	4	3
Utica, N. Y.	26	18	3	1
Yonkers, N. Y.	37	28	-	-
EAST NORTH CENTRAL:	2,573	1,444	97	130
Akron, Ohio	56	33	-	3
Canton, Ohio	35	18	3	2
Chicago, Ill.	738	391	31	39
Cincinnati, Ohio	146	84	3	5
Cleveland, Ohio	225	127	6	8
Columbus, Ohio	139	79	3	7
Dayton, Ohio	80	46	2	6
Detroit, Mich.	360	206	18	23
Evansville, Ind.	36	21	-	1
Flint, Mich.	49	24	-	2
Fort Wayne, Ind.	35	20	3	2
Gary, Ind.	42	18	3	1
Grand Rapids, Mich.	44	28	4	2
Indianapolis, Ind.	137	71	3	9
Madison, Wis.	34	24	-	2
Milwaukee, Wis.	137	89	7	4
Peoria, Ill.	28	14	-	2
Rockford, Ill.*	28	17	3	2
South Bend, Ind.	41	28	1	-
Toledo, Ohio	119	67	7	6
Youngstown, Ohio	64	39	-	4
WEST NORTH CENTRAL:	839	517	26	59
Des Moines, Iowa	54	32	1	2
Duluth, Minn.	30	18	-	4
Kansas City, Kans.	35	16	4	5
Kansas City, Mo.	136	94	5	9
Lincoln, Nebr.	32	18	2	3
Minneapolis, Minn.	120	82	-	3
Omaha, Nebr.	68	37	4	8
St. Louis, Mo.	241	143	4	20
St. Paul, Minn.	81	57	2	3
Wichita, Kans.	42	20	4	2
SOUTH ATLANTIC:	1,092	563	49	44
Atlanta, Ga.	125	59	3	5
Baltimore, Md.	257	139	5	8
Charlotte, N. C.	49	23	2	1
Jacksonville, Fla.	62	31	3	5
Miami, Fla.	81	38	2	5
Norfolk, Va.	54	24	10	4
Richmond, Va.	84	43	2	7
Savannah, Ga.	29	16	-	2
St. Petersburg, Fla.	58	46	3	-
Tampa, Fla.	69	38	5	2
Washington, D. C.	171	80	9	2
Wilmington, Del.	53	26	5	3
EAST SOUTH CENTRAL:	562	289	26	39
Birmingham, Ala.	93	51	3	12
Chattanooga, Tenn.	44	22	5	4
Knoxville, Tenn.	55	28	1	-
Louisville, Ky.	111	61	9	13
Memphis, Tenn.	98	54	-	2
Mobile, Ala.	56	26	2	6
Montgomery, Ala.	22	9	2	-
Nashville, Tenn.	83	38	4	2
WEST SOUTH CENTRAL:	1,019	510	31	78
Austin, Tex.	26	14	3	1
Baton Rouge, La.	31	16	1	4
Corpus Christi, Tex.	28	14	-	1
Dallas, Tex.	133	63	3	11
El Paso, Tex.*	36	17	1	4
Fort Worth, Tex.	62	37	1	4
Houston, Tex.	195	93	4	9
Little Rock, Ark.	68	34	3	5
New Orleans, La.	166	82	5	12
Oklahoma City, Okla.	78	42	3	10
San Antonio, Tex.	97	51	-	6
Shreveport, La.	45	24	4	6
Tulsa, Okla.	54	23	3	5
MOUNTAIN:	399	206	20	36
Albuquerque, N. Mex.	46	31	3	1
Colorado Springs, Colo.	26	16	3	-
Denver, Colo.	122	56	8	17
Ogden, Utah	24	14	-	3
Phoenix, Ariz.	68	31	3	8
Pueblo, Colo.	17	7	-	2
Salt Lake City, Utah	51	35	1	2
Tucson, Ariz.	45	16	2	3
PACIFIC:	1,653	997	48	94
Berkeley, Calif.	18	11	-	3
Fresno, Calif.*	49	28	1	4
Glendale, Calif.	45	29	1	-
Honolulu, Hawaii	45	17	-	8
Long Beach, Calif.	61	42	3	5
Los Angeles, Calif.	625	359	23	39
Oakland, Calif.	65	41	2	2
Pasadena, Calif.*	35	26	1	1
Portland, Oreg.	103	63	1	5
Sacramento, Calif.	50	27	1	1
San Diego, Calif.	100	64	2	3
San Francisco, Calif.	191	123	1	6
San Jose, Calif.	36	18	4	3
Seattle, Wash.	149	90	5	11
Spokane, Wash.	48	37	1	2
Tacoma, Wash.	33	22	2	1
Total	12,090	6,864	469	663

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	528,298
All Causes, Age 65 and over	298,055
Pneumonia and Influenza, All Ages	21,298
All Causes, Under 1 Year of Age	31,322

INFLUENZA – CURRENT TRENDS

(Continued from page 370)

showed slight increases in the weekly incidence of influenza-like illness. The epidemic continued at moderately low levels through the subsequent weeks and spread gradually to other areas. Type A2 influenza virus was isolated, from typical cases, by the Bureau of Research Laboratories. Symptoms were generally mild with deaths occurring only rarely. By early summer, cases had begun to decrease in number and the epidemic in general was on the wane. The reported number of cases appears to be considerably less than that recorded during the 1957 epidemic of Asian influenza.

The influenza prospectus for the United States during 1965-66 is unchanged from that in the statement in June. The last major epidemic of type A influenza occurred generally throughout the United States in 1962-63 and on the west coast during the following year. Although A2 infections appeared at times in widely scattered areas in 1964-65, they reached epidemic levels, as measured by excess mortality, only in certain parts of the Northeast and in Texas and Oklahoma. In view of the 2- to 3-year periodicity of type A influenza, an increased incidence may be expected in the coming season.

The last major outbreak of type B influenza in the United States was in 1961-62. In view of the 4- to 6-year periodicity of influenza B epidemics, type B influenza may also be anticipated during the coming year. This expectation is strengthened by the substantial number of type B strains isolated during the winter 1964-65 in the U. S. and Europe.

The Public Health Service Advisory Committee on Immunization Practices has outlined the influenza immunization schedule recommended for all persons in the "high risk groups" detailed in the statement issued by the Committee on June 11, 1965 (MMWR, Vol. 14, No. 24).

(Reported by the Respiratory Diseases Unit of the Surveillance Section, Epidemiology Branch, CDC.)

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THE EDITOR
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COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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